

IN THE CLAIMS:

The following is a complete list of all claims pending.

1.-12. (Cancelled)

13. (New) An image sensing system comprising:

a plurality of sensor units, each of which is adapted for sensing an image;

selection unit, according to a user input to select a selected sensor unit from said plurality of sensor units, for sending a signal assigning the selected sensor unit; and

a control unit for monitoring the signal assigning the selected sensor unit,

wherein said control unit send a command to the selected sensor unit to set the selected sensor unit in a ready state and a command to each of the other sensor units except the selected sensor unit to set each of the other sensor units in a sleep state.

14. (New) An image sensing system according to claim 25, comprising a plurality of selection units,

wherein, according to a user input to select a selected sensor unit from said plurality of sensor units, each of said plurality of selection units can send a signal assigning the selected sensor unit.

15. (New) An image sensing system according to claims 25 and 26,  
wherein the sleep state is a low current state in which a current  
supplied to a sensor unit is low.

16. (New) An image sensing system according to claims 25 and 26,  
wherein the sleep state is a low current state in which a current  
supplied to a sensor unit is cut off.

17. (New) An image sensing system according to claim 25, wherein  
said control unit send a command to an X-ray generation apparatus to select Auto Exposure  
Control function of the selected sensor.

18. (New) An image sensing system comprising:  
a plurality of sensor units, each of which is adapted for sensing an  
image;

a plurality of selection units, each of which is associated to each of  
said plurality of sensor units in one to one relation wherein each of said plurality of  
selection units can send a signal assigning the selected sensor unit associated to itself  
according to a user input; and

a control unit for monitoring the signal assigning the selected sensor  
unit,

wherein said control unit send a command to the selected sensor unit to set the selected sensor unit in a ready state and a command to each of the other sensor units except the selected sensor unit to set each of the other sensor units in a sleep state.